

JCD-100, JCD-200 Transmitter



JCD series detector is designed to detect carbon dioxide gas in the air

- Pre-calibrated
- Models available with SPST (normally open) relay output
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- Models available with LCD for sensor readings and status information(JCD-200)
- on-Dispersive Infrared (NDIR) technology used to measure CO₂ levels
- Provides output signal proportional to CO₂ level
- Model available to interact with other devices
- Gold-plated sensor provides long-term calibration stability

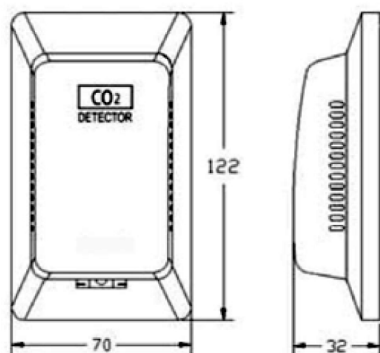
DESCRIPTION

JCD series detector is designed to detect carbon dioxide gas in the air. This model has good resolution by NDIR method, so it is an optimum device for ventilation of building, house, etc. Also, the advantage of this model is compact size and easy installation.

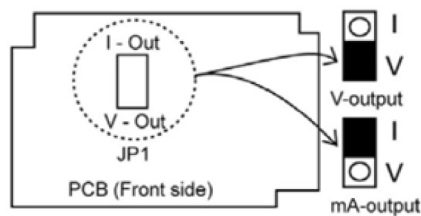
SPECIFICATIONS

General Performance	Operating Temperature	0 ~ 50°C
	Operating Humidity	0 ~ 95% RH (Non-condensing)
	Operating Environment	Residential, Commercial spaces, Buildings
	Storage Temperature	-20°C ~60°C
CO ₂ Sensor	Sensing Method	NDIR (Non-dispersive Infrared)
	Measurement Range	0 to 2,000 ppm
	Accuracy	±30ppm ±5% of measured value
	Step Response Time(90%)	150 sec
	Sampling Interval	3 seconds
Electrical Data	Power Input	24VAC, 24VDC ± 20%, 50/60Hz
Output Signal	2 ~ 10VDC (default) or 4 ~ 20mA (Jumper selectable)	
Relay Output (JCD-200 Only)	Contract Rating	1A/120VAC or 1A/24VDC
	Configuration	SPST, Normally Open realy
	Relay Activated	Greater than 1,000ppm
	Realy Deactivated	Less than 900ppm

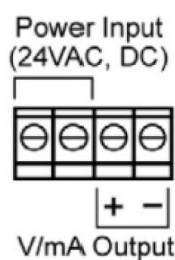
V/MA OUTPUT SELECTION METHOD



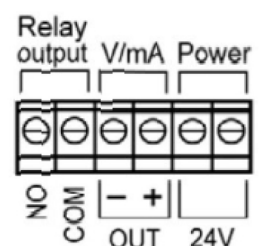
70W x 122H x 32D(mm)



WIRING METHOD



JCD-100



JCD-200